

Adhesives and Sealants

Table I
Identification of Performance Standards
Source Category: Adhesives and Sealants

Regulated Component	Pollutant	Rule/Measure/Date									
		RACT Determination for Adhesives and Sealants 10/98		BARCT Determination for Adhesives and Sealants 10/98		VCAPCD Rule 74.20 Adhesives and Sealants 1/14/97*					
		Performance Standard									
Adhesives:	VOC										
ABS welding	VOC	x	400 g/l				400 g/l				
Ceramic tile installation	VOC	x	130 g/l				130 g/l				
Cellulosic plastic welding (ex ethyl cellulose)	VOC					x	100 g/l				
Styrene-Acrylonitrile welding						x	100 g/l				
Other plastic welding						x	500 g/l				
Computer diskette jacket manufacturing	VOC	x	850 g/l								
Contact-general	VOC	x	540 g/l		250 g/l (1/1/00)		200 g/l				

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		Performance Standard									
Contact-special substrates	VOC	x	540 g/l		400 g/l (1/1/00) 250 g/l (1/1/01)** ***technology forcing		200 g/l				
Cove base installation	VOC	x	150 g/l				150 g/l				
CPVC welding 490 g/l	VOC	x	490 g/l				490 g/l				
Indoor floor covering installation	VOC	x	150 g/l				150 g/l				
Perimeter bonded sheet vinyl flooring installation	VOC		660 g/l								
Sheet-applied rubber installation	VOC		850 g/l	x	250 g/l (2002)** ***technology forcing						
Waterproof resorcinol glue	VOC	x	170 g/l								
Metal to urethane/rubber molding or casting	VOC		850 g/l	x	250 g/l (1/1/00)** ***technology forcing						
Multipurpose	VOC	x	200 g/l				200 g/l				

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construction											
Nonmembrane roof installation/repair	VOC	x	300 g/l			300 g/l					
Other plastic cement welding	VOC	x	510 g/l								
Outdoor floor covering installation	VOC	x	250 g/l			150 g/l					
PVC welding	VOC	x	510 g/l			510 g/l					
Single-ply roof membrane installation/repair	VOC	x	250 g/l			250 g/l					
Structural glazing	VOC	x	100 g/l			100 g/l					
Thin metal laminating	VOC	x	780 g/l								
Tire retread	VOC	x	100 g/l			100 g/l					
Sealants:											
Architectural	VOC	x	250 g/l			250 g/l					

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		Performance Standard									
Marine deck	VOC	x	760 g/l								
Nonmembrane roof installation/repair	VOC	x	300 g/l				300 g/l g/l				
Roadway	VOC	x	250 g/l				250 g/l				
Single-ply roof membrane	VOC	x	450 g/l				450 g/l				
Other	VOC	x	420 g/l				420 g/l				
Adhesive Primers:											
Automotive glass	VOC	x	700 g/l				700 g/l				
Plastic cement welding	VOC	x	650 g/l				650 g/l				
Single-ply roof membrane	VOC	x	250 g/l				250 g/l				
Traffic marking tape	VOC	x	150 g/l				150 g/l				
Other	VOC	x	250 g/l				250 g/l				
Sealant Primers:											
Architectural Non-porous	VOC	x	250 g/l				250 g/l				

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		Performance Standard									
Architectural- Porous	VOC	x	775 g/l				775 g/l				
Marine deck	VOC	x	760 g/l				760 g/l				
Other	VOC	x	750 g/l				775 g/l				
Adhesives Application On to Substrate: Limits apply when application is not specified above											
Flexible vinyl	VOC	x	250 g/l				250 g/l				
Fiberglass	VOC	x	200 g/l				200 g/l				
Metal	VOC	x	30 g/l				30 g/l				
Porous material	VOC	x	120 g/l								
Rubber	VOC	x	250 g/l								
Plastic foam	VOC						120 g/l				
Porous Material (ex wood and plastic foam)	VOC						150 g/l				
Wood	VOC						30 g/l				

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		Performance Standard									
Adhesive for bonding dissimilar substrates together	VOC	x	substrate category with highest VOC content				substrate category with highest VOC content ex. flexible vinyl				
Other substrates	VOC	x	250 g/l				250 g/l				
Other Categories:											
Aerosol Adhesives	VOC	x	75 wt% 25 wt% (1/1/02)								
Cleanup Solvent ex. spray equipment	VOC	x	<45 mm Hg @ 20 C								
Cleanup Solvent, spray equipment (spray gun)	VOC	x	Enclosed system or equiv. ,or 70 g/l				enclosed gun washer or low emission spray gun cleaner, <45 mm Hg @ 20 C				
Cleanup Solvent, spray equipment (filters, lines, pipes, pumps)	VOC	x	Enclosed system or equiv. ,or 70 g/l				Enclosed system or equiv. ,or 70 g/l				
Cleanup Solvent, spray equipment, dried adhesive	VOC	x	<=9.5 mm Hg at 20C and kept in closed container				<=9.5 mm Hg at 20C and kept in closed container				
Surface preparation	VOC	x	<70 g/l				<=70 g/l				

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		Performance Standard									
solvent, ex. single-ply roofing											
Surface preparation solvent, single-ply roofing	VOC	x	<=45 mm of Hg @ 20C			<=45 mm of Hg @ 20 C					
Add-on control equipment	VOC	x	85% overall capture and destruction eff. by wt,			85% overall capture and destruction eff. by wt, avg over 24 hrs					
Storage of VOC containing materials	VOC	x	storage or disposal in closed non-absorbent containers			storage or disposal in closed non-absorbent, nonleaking containers					
Adhesive strippers	VOC					<=9.5 mm Hg @ 20 C					

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		Performance Standard							
Primers, sealants or adhesives						cannot contain 1,1,1-trichloroethane or methylene chloride; adhesives containing methylene chloride used to solvent weld polycarbonate, polysulfone, acrylics including PMMA, phenylene-oxide based resins, and polyetherimide are exempt from this requirement			

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Table II
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Rule/Measure	Rule/Measure				
	RACT/BARCT Determination for Adhesives and Sealants 10/98	VCAPCD Rule 74.20 Adhesives and Sealants 1/14/97*			
Exemptions	tire repair, assembly and manufacturing of undersea- based weapon systems, products undergoing testing or evaluation in R&D, solvent welding operations used in mfr of medical devices, plaque laminating operations where adhesives are used to bond a clear, polyester acetate laminate to wood with lamination equipment installed prior to 7/1/92, adhesives and sealants containing less than 20 g/l, adhesives containing cyanoacrylate, products subject to consumer product reg, small use exemption of 55 g/yr of non-complying products, small user exemption of 200 lb/yr	low use exemption also restricts usage to 10 g/yr of any one product			

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Rule/Measure	Rule/Measure				
	RACT/BARCT Determination for Adhesives and Sealants 10/98	VCAPCD Rule 74.20 Adhesives and Sealants 1/14/97*			
Applicability	Any person who supplies, sells, offers for sale, or uses adhesives, sealants, sealant primers or adhesive primers	Same as RACT/BARCT			
Comments	RACT/BARCT Determination is a recent assessment of adhesives/sealants technology. Limits are representative of various district standards.	Non-checked limits contained in the Ventura Rule that are more stringent than the RACT/BARCT are not technically applicable to all substrate applications within the category.			

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